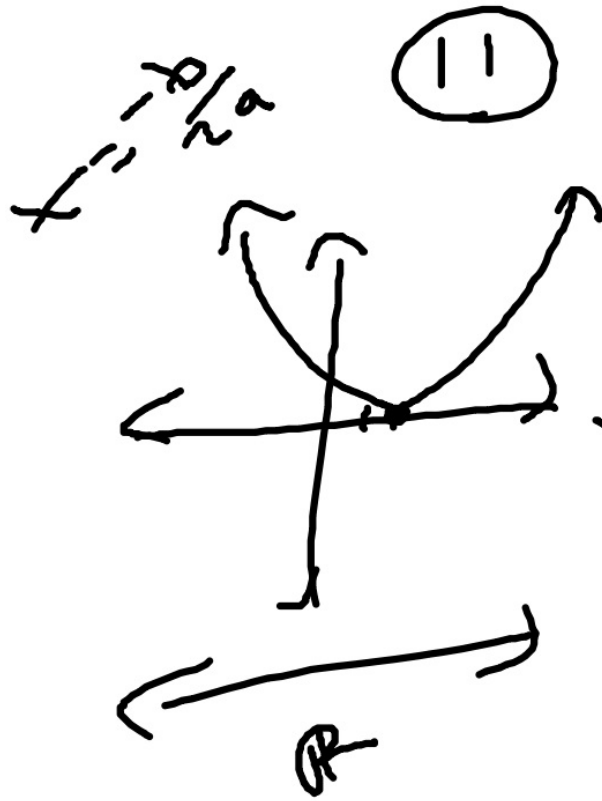


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q. 1



a. max or min?

b. State the y-value (of vertex)

c. domain and range?
x-values y-values

$$y = x^2 - 4x + 4$$

$$x = \frac{-(-4)}{2(1)} = 2$$

$$y = (2)^2 - 4(2) + 4$$
$$4 - 8 + 4 = 0$$

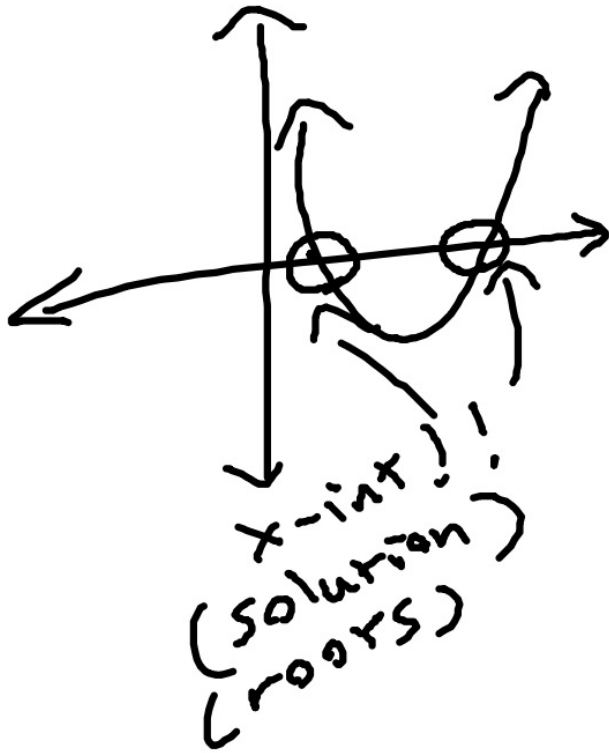
a opens up!

$$a = 1$$
$$b = -4$$

vertex
(2, 0)
min! b

Domain: all real #'s
Range: $y \geq 0$ c

9-2 solve by graphing...



~~$3x^2 + 4x + 1 = 0$~~

$-1, 4$

$\frac{1}{6}$



$$x^2 - 3x - 4 = 0$$
$$(x - 4)(x + 1) = 0$$